D. Srivastava●

1653

```
        RAW SEQUENCE LISTING              DATE: 09/14/2000
        PATENT APPLICATION:  US/08/962,560B   TIME: 17:33:46

        Input Set : A:\PTO.txt
        Output Set: N:\CRF3\09142000\H962560B.raw
```

```
  4 <110> APPLICANT: Hilton, Douglas J.
  5          Alexander, Warren S.
  6          Viney, Elizabeth M.
  7          Wilson, Tracy A.
  8          Richardson, Rachel
  9          Starr, Robyn
 10          Nicholson, Sandra E.
 11          Metcalf, Donald
 12          Nicola, Nicos A.
 14 <120> TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC AGENTS
 16 <130> FILE REFERENCE: Davies Collison Cave
 18 <140> CURRENT APPLICATION NUMBER: 08/962,560B
 19 <141> CURRENT FILING DATE: 1997-10-31
 21 <160> NUMBER OF SEQ ID NOS: 68
 23 <170> SOFTWARE: PatentIn Ver. 2.1
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ERRORED SEQUENCES

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 137 <210> SEQ ID NO: 4
 138 <211> LENGTH: 212
 139 <212> TYPE: PRT
 140 <213> ORGANISM: Mus musculus
 142 <400> SEQUENCE: 4
 143 Met Val Ala Arg Asn Gln Val Ala Ala Asp Asn Ala Ile Ser Pro Ala
 144  1               5               10              15
 146 Ala Glu Pro Arg Arg Arg Ser Glu Pro Ser Ser Ser Ser Ser Ser Ser
 147          20              25              30
 149 Ser Pro Ala Ala Pro Val Arg Pro Arg Pro Cys Pro Ala Val Pro Ala
 150          35              40              45
 152 Pro Ala Pro Gly Asp Thr His Phe Arg Thr Phe Arg Ser His Ser Asp
 153          50              55              60
 155 Tyr Arg Arg Ile Thr Arg Thr Ser Ala Leu Leu Asp Ala Cys Gly Phe
 156  65              70              75              80
 158 Tyr Trp Gly Pro Leu Ser Val His Gly Ala His Glu Arg Leu Arg Ala
 159          85              90              95
E--> 161 Glu Pro Val Gly Thr Phe Leu Val Arg Asp Ser Arg Gln Arg Asn Cys
 162          100             105             110
 164 Phe Phe Ala Leu Ser Val Lys Met Ala Ser Gly Pro Thr Ser Ile Arg
 165          115             120             125
 167 Val His Phe Gln Ala Gly Arg Phe His Leu Asp Gly Ser Arg Glu Thr
 168     130             135             140
 171 Phe Asp Cys Leu Phe Glu Leu Leu Glu His Tyr Val Ala Ala Pro Arg
 172 145             150             155             160
 174 Arg Met Leu Gly Ala Pro Leu Arg Gln Arg Arg Val Arg Pro Leu Gln
 175             165             170             175
 177 Glu Leu Cys Arg Gln Arg Ile Val Ala Ala Val Gly Arg Glu Asn Leu
```

Invalid amino acid designator.

RAW SEQUENCE LISTING   DATE: 09/14/2000
PATENT APPLICATION: US/08/962,560B   TIME: 17:33:46

        Input Set : A:\PTO.txt
        Output Set: N:\CRF3\09142000\H962560B.raw

178   180   185   190
180 Ala Arg Ile Pro Leu Asn Pro Val Leu Arg Asp Tyr Leu Ser Ser Phe
181   195   200   205
183 Pro Phe Gln Ile
184   210
1644 <210> SEQ ID NO: 24
1645 <211> LENGTH: 2019
1646 <212> TYPE: DNA
1647 <213> ORGANISM: Mus musculus
1649 <220> FEATURE:
1650 <221> NAME/KEY: UNSURE
1651 <222> LOCATION: (1981)
1652 <223> OTHER INFORMATION: N is unsure
1654 <220> FEATURE:
1655 <221> NAME/KEY: UNSURE
1656 <222> LOCATION: (1992)
1657 <223> OTHER INFORMATION: N is unsure
1659 <220> FEATURE:
1660 <221> NAME/KEY: UNSURE   ──→ *n is at location 2000*
1661 <222> LOCATION: (2010)
1662 <223> OTHER INFORMATION: N is unsure
1664 <400> SEQUENCE: 24
1665 ggcacgaggc ggggtcaggg cggaggctga ggaccaagta ggcatggcgg agggcgggac 60
1667 cggccccgat ggacgggccg gcccgggacc cgcaggtcct aatctgaagg agtggctgag 120
1669 ggagcagttc tgtgaccatc cactggagca ctgtgacgat acaagactcc atgatgcagc 180
1671 ctatgtaggg gacctccaga ccctcaggaa cctactgcaa gaggagagct accggagccg 240
1673 catcaatgag aagtctgtct ggtgctgcgg ctggcttccc tgcacaccac tgaggatcgc 300
1675 agccactgca ggccatggga actgtgtgga cttcctcata cgcaaagggg ccgaggtgga 360
1677 cctggtggat gtcaaggggc agactgccct gtatgtggct gtagtgaacg ggcacttgga 420
1679 gagcactgag atcctttttgg aagctggtgc tgatcccaac ggcagccggc accaccgcag 480
1681 cactcctgtg taccatgcct ytcgtgtggg tagggacgac atcctgaagg ctcttatcag 540
1683 gtatggggca gatgttgatg tcaaccatca tctgaattct gacacccggc ccccttttttc 600
1685 acggcggcta acctccttgg tggtctgtcc tctatacatc agtgctgcct accataacct 660
1687 tcagtgcttc aggctgctct tgcaggctgg ggcaaatcct gacttcaatt gcaatggccc 720
1689 tgtcaacacc caggagttct acagggggatc ccctgggtgt gtcatggatg ctgtcctgcg 780
1691 ccatggctgt gaagcagcct tcgtgagtct gttggtagag tttggagcca acctgaacct 840
1693 ggtgaagtgg gaatccctgg gcccagaggc aagaggcaga agaaagatgg atcctgaggc 900
1695 cttgcaggtc tttaaagagg ccagaagtat tcccaggacc ttgctgagtt tgtgccgggt 960
1697 ggctgtgaga agagctcttg gcaaataccg actgcatctg gttccctcgc tgccgctgcc 1020
1699 agaccccata aagaagtttt tgctttatga gtagcattca catgcagtgc tgactgcaat 1080
1701 gtggaagccg atcacctgca gtgaaaactg acacagactc tggcatcctg ggaaccatgg 1140
1703 cctgtgctgc cagcttgatc cttggctgtc agtgaagaaa aaacggctgt gttctcttgg 1200
1705 actgtgattc tatctcaggt gcttgggcca tcgaacgctc cttgagtcat tgtcaactga 1260
1707 gaggcacata caaacttaat tttgttcctc ttcagtctct ctgtttttgga ttcttcctgg 1320
1709 caatgtgtgc agcatgggct gagcctggtg attgccctag tggggaaggc ttttttctcc 1380
1711 aggctatgca tctatttatg ttcctacttt gcaatttatt gttctttttaa ggcttgatat 1440
E──→ 1713 caaaacagaa agaggtttgt taagaaaaga tataggggaga aaggaattcc ggttccgtgc (1550)   ──→ *miscount typo should be 1500*
1715 acttgctagc ctgctttcct tgcctgggtt tgtctgtcta tgctgcctgg tgcacatccc 1560
1717 ttctctttgc tgccactgtt ctattttggg agttgtcttc cgtctaagat ggcttctggg 1620

```
RAW SEQUENCE LISTING                        DATE: 09/14/2000
PATENT APPLICATION:   US/08/962,560B        TIME: 17:33:46

Input Set : A:\PTO.txt
Output Set: N:\CRF3\09142000\H962560B.raw

      1719 gttctatctt attgcacaga ggtcccagaa cagtgttcat agggcaccat ctgctctgcc 1680
      1721 aagggttttc tgatgtctta ccctgggggat cttcagacag tggttacctt taggagaccc 1740
      1723 acctggaact aaccattaag tgactgccca cattcagatc agggaccatc ttaatagtac 1800
      1725 tcactgccag tcctcacaag agaagatgac acgggtgctc tcttcagaca ctcccataca 1860
      1727 ggaagttgga aaatgtcttg gtcacctggg ttgttcccag gctacaactt cttggtgttc 1920
      1729 cactaaracc aggatatcct agtttttttgg gttgactgtt ccctccccac tttccttgaa 1980
W--> 1731 ncccaatgcc cntttgtktn ggttgcttcc ctaaaaktt                         2019
```

n is at location 2000, not 2010

F.Y.I.

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
                   VERIFICATION SUMMARY            DATE: 09/14/2000
                   PATENT APPLICATION:  US/08/962,560B    TIME: 17:33:47

                   Input Set : A:\PTO.txt
                   Output Set: N:\CRF3\09142000\H962560B.raw

L:161  M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:161  M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:1085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1713 M:254 E: No. of Bases conflict, LENGTH:Input:1550 Counted:1500 SEQ:24
L:1731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:2524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:2679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:3416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
```